

What is claimed is:

1. A method of transmitting information:
 - receiving a first signal in a first protocol at a
 - 5 first interface device;
 - providing a second signal corresponding to the
 - first signal;
 - changing a data structure device according to the
 - second signal;
- 10 providing a third signal to a second interface device, the third signal corresponding to the changed data structure device; and
- 15 providing a fourth signal corresponding to the third signal in the second protocol.
2. The method of claim 1, further comprising configuring the first interface device to receive signals in the first protocol.
- 20 3. The method of claim 1, further comprising configuring the second interface device to provide signals in the second protocol.
- 25 4. The method of claim 1, further comprising determining the first protocol.

5. The method of claim 1, further comprising
determining the second protocol.

6. The method of claim 1, further comprising:
5 converting the first signal to an unpacketized
digital signal;
converting the unpacketized digital signal to a
packetized digital signal; and
providing the packetized digital signal as the
10 second signal to the data structure device.

7. The method of claim 1, wherein the third signal is
a packetized digital signal, and the method further
comprises;

15 converting the third signal to an unpacketized
digital signal; and
converting the unpacketized digital signal to
provide the fourth signal.

20 8. A method of transmitting information from a first
communication pathway to a second communication pathway,
comprising:
determining a first protocol used on a first
communication pathway;

determining a second protocol used on a second communication pathway;

5 configuring a first interface device to accept signals carrying information in the first protocol from the first communication pathway;

10 configuring a second interface device to send information from a data structure device to the second communication pathway via a signal in the second protocol;

15 providing a first signal along the first communication pathway to the first interface device;

20 providing a second signal to the data structure device, the second signal corresponding to the first signal;

25 changing the data structure device according to the second signal;

30 providing a third signal to the second interface device, the third signal corresponding to the changed data structure device; and

35 providing a fourth signal to the second communication pathway, the fourth signal corresponding to the third signal and being in the second protocol.

9. The method of claim 8, further comprising:

converting the first signal to an unpacketized digital signal;

converting the unpacketized digital signal to a packetized digital signal; and

5 providing the packetized digital signal as the second signal to the data structure device.

10. The method of claim 8, wherein the third signal is a packetized digital signal, and the method further 10 comprises;

converting the third signal to an unpacketized digital signal; and

converting the unpacketized digital signal to provide the fourth signal.

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11. The method of claim 8, wherein the first communication pathway is a telephony system.

20 12. The method of claim 11, wherein the second communication pathway is a network of computers.

13. The method of claim 8, wherein the first communication pathway is a telephony system, and the second communication pathway is a telephony system.

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14. The method of claim 8, wherein the first communication pathway is a network of computers, and the second communication pathway is another network of computers.

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15. A communications device, comprising:

a first analog to digital converter;
a first segmentation and reassembly device in communication with the first analog to digital converter;

10 a first application interface in communication with the first segmentation and reassembly device;
a data structure device in communication with the first application interface;

15 a second application interface in communication with the data structure device;

a second segmentation and reassembly device in communication with the second application interface; and

20 a second analog to digital converter in communication with the second segmentation and reassembly device.

16. The communications device of claim 15, wherein the first analog to digital converter is capable of

converting a first signal in a first protocol to an unpacketized digital signal.

17. The communications device of claim 16, wherein the
5 second analog to digital converter is capable of
converting an unpacketized digital signal to a signal in
a second protocol.

18. The communications device of claim 15, wherein the
10 first segmentation and reassembly device is capable of
converting an unpacketized digital signal to a
packetized digital signal.

19. The communications device of claim 18, wherein the
15 second segmentation and reassembly device is capable of
converting a packetized digital signal to an
unpacketized digital signal.

20. The communications device of claim 15, wherein the
20 first application interface is capable of converting a
packetized digital signal to a signal in a protocol
according to which the data structure device is
structured.

21. The communications device of claim 20, wherein the second application interface is capable of converting a signal in a protocol according to which the data structure device is structured, to a packetized digital
5 signal.

22. The communications device of claim 15, wherein the first analog to digital converter is in communication with a telephony system.

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23. The communications device of claim 22, wherein the second analog to digital converter is in communication with a network of computers.

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24. The communications device of claim 15, wherein the first analog to digital converter is in communication with a telephony system, and the second analog to digital converter is in communication with another telephony system.

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25. The communications device of claim 15, wherein the first analog to digital converter is in communication with a network of computers, and the second analog to digital converter is in communication with another
25 network of computers.

26. An information transmission device, comprising:

a data structure device;

a first configurable interface device operatively connected between the data structure device and a first 5 one of the communication pathways to convert signals on the first one of the communication pathways into signals to modify the data structure device, and to accept signals from the data structure device and convert the signals from the data structure device into a protocol 10 of the first one of the communication pathways; and

a second configurable interface device operatively connected between the data structure device and a second 15 one of the communication pathways to convert signals on the second one of the communication pathways into signals to modify the data structure device, and to accept signals from the data structure device and convert the signals from the data structure device into a protocol of the second one of the communication pathways.

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27. The information transmission device according to claim 26, further including a protocol determining device operatively connected to at least one of the communication pathways to determine the protocol of the 25 at least one of the communication pathways.

28. The information transmission device according to claim 26, wherein the first configurable interface device comprises:

a first analog to digital converter operatively connected to the first one of the communication pathways and capable of converting a signal in the protocol of the first one of the communication pathways to an unpacketized digital signal;

a first segmentation and reassembly device in communication with the first analog to digital converter and capable of converting an unpacketized digital signal to a packetized digital signal; and

a first application interface in communication with the first segmentation and reassembly device and in communication with the data structure device and capable of converting a packetized digital signal to a signal in a protocol according to which the data structure device is organized.

20 29. The information transmission device according to claim 26 wherein the second configurable interface device comprises:

a second application interface in communication with the data structure device and capable of converting

a signal according to which the data structure device is organized to a packetized digital signal;

second segmentation and reassembly device in communication with the second application interface and
5 capable of converting a packetized digital signal to an unpacketized digital signal; and

an analog to digital converter in communication with the second segmentation and reassembly device and capable of converting an unpacketized digital signal to
10 a signal in the protocol of the second one of the communication pathways.